MASTER PROGRAM
DATA SCIENCE BUSINESS INFORMATICS

Business informatics plays a crucial role in today's digital landscape in realizing enterprise architecture, management and governance to support IT as business enablers. Digital transformation is happening in all level of business, there is a need to align business and IT for the current business challenges, and changes due uncertainties, therefore the critical role of digital transformation architect in the transformation journey. Transformation is needed as to align business strategy and execution, this require an assessment of the business capabilities either changed, enhance or new ones. By leveraging information technology, organizations can gain valuable insights and make data-driven decisions that drive business growth and success.

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WHY IS IT IMPORTANT?

Business informatics also helps organizations to modernize their operations and stay ahead of the curve. By automating manual processes, organizations can increase efficiency, reduce errors and lower costs. In addition, business informatics plays a critical role in customer engagement. By utilizing advanced analytics and customer relationship management (CRM) systems, organizations can gain a deeper understanding of their customers and their needs, and use this information to improve the customer experience.

However, to fully realize the benefits of business informatics, organizations must also have a strong focus on data governance and data management. This means ensuring that data is accurate, complete, and secure, and that it is properly managed throughout its lifecycle.

Data science and business informatics are two closely related fields that are increasingly being used in tandem to drive business success. Data science is concerned with extracting insights and making predictions from data and algorithms, whereas business informatics is concerned with using information technology (IT) to support business processes and decision making. When these fields are combined, they provide organizations with the tools and insights they need to make data-driven decisions and improve business performance.

STRENGTH POINTS

- Designed to answer the current challenges in IT industries for both professionals and fresh graduates
- Becoming digital transformation architect in cyber security, business informatics and digital innovation
- Data Science enrich Master IT Program with three streams: Data Science Business Informatics, Data Science Cyber Security and Digital Innovation and digital innovation
- Combining Data Science, IT Governance, IT Value and Risk Management, Enterprise Architecture, IoT and Cyber Security
- Established in 2000 with 36 credits in 1.5 year study period (average)
- Special discount for EC Council international certifications

WHY IS IT IMPORTANT?

Digital Economy is not in static form, it is evolving. Stay relevant also means agile and resilience to the dynamics of digital economy. Therefore, by studying at SGU Master IT in Business Informatics will be able to learn to stay relevant. There are eight learning themes that associated with the current and future challenges of digital economy dynamics, such as:

1. Adopting Digital Business and Market
2. Building Digital Culture and Organization
3. Aligning Strategic Management and Enterprise Architecture
4. Building Data-Driven Organization
5. Maintaining Cyber Governance and Resilience
6. Adopting Digital Learning Innovation
7. Competing Digital Services and Experiences
8. Upcoming AI and Autonomous Business

DATA SCIENCE BUSINESS INFORMATICS

- Digital Business & Cyber Marketing
- IT Innovation, Valuation & Technopreneurship
- Human Capital & Organizational Behavior
- Data Management & Governance
- Enterprise Architecture & IT Strategic Planning
- Data Science & Analytics
- Research Methodology
- Data Science: Special Topics
- Cyber Law & Computer Ethics
- Internet of Things & Operation Technology
- IT & Cyber Governance
- Cryptography & Blockchain Technology
- Applied Knowledge Management
- IT Project Management,
- Risk Management & Disaster Recovery
- Thesis

*with Hybrid Learning Method

FACULTY MEMBER HIGHLIGHT

Competent lecturers as mentors for the research, such as (not limited to):

- Dr. Ir. Eka Budiarto, S.T., M.Sc. in fields of data science and analytics, machine learning, artificial intelligence

- Dr. Ir. Charles Lim, B.Sc., M.Sc., CCSE, CTIA, CHFI, EDRP, ECSA, ECSP, ECIH, CEH, CEI in fields of cyber security, threat hunting, threat intelligence

- Dr. Ir. Moh. A. Amin Soetomo, M.Sc. in fields of IT governance, IT strategic planning, IT risk management, cyber resilience, data management and governance

- Dr. Ir. Heru Purnomo Ipung, M.Eng. in fields of IT enterprise architecture, digital transformation strategy, IT valuation, data modeling, IoT applications

- Kalpin Erlangga Silaen, S.Si., M.Kom., CISSP, CEH, ECIH, ECSA, CHFI. Chief Technology Officer, PT Royal Audrey Megah (Layer Speed,web hosting & IT solution services), Senior Information Security consultant

- Or potentially with other lectures from other departments (Mechatronics and industrial engineering), other faculties (Life Science and Technology, Business and Communication) upon initial agreement and arrangement.

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THE PROCEDURES:
1. Fill-out the registration through https://join.sgu.ac.id/master
2. Pay the registration fee IDR 500.000
3. Documents submitting & Interview
4. Pay the confirmation fee before the due date from Letter of Acceptance

ADMISSION DOCUMENT
1. 1 Copy of Bachelor's Degree Certificate
2. 1 Copy of Academic Transcript
3. 2 photographs of 4×6cm (in color, with red as background).
4. 1 copy of Birth Certificate (Akta Kelahiran).
5. 1 copy of Family Certificate (Kartu Keluarga).
6. 1 copy of Family Certificate (Kartu Keluarga - Orang tua)
7. 1 copy of NISN or senior high school certificate
8. Copy of ID Card/Passport/KITAS
9. Copy of Any Other professional certificate
10. Curriculum Vitae.
11. 2 Reference Letter
12. Foreign Candidate/overseas graduate: legalized the certificate through the Department of National Education
13. Foreign Candidate: Stay/Work Permit.
14. Statement of Agreement stamped Rp. 10,000,-.
15. New Student Form

STUDY FEE
Payment scheme:

ADMISSION FEE	500.000 IDR
CONFIRMATION FEE	2.500.000 IDR
1st SEMESTER FEE	22.000.000 IDR
2nd SEMESTER FEE	22.000.000 IDR
3rd SEMESTER FEE	22.000.000 IDR
TOTAL	69.000.000 IDR

Tuition fee includes*: Lunch, snack, coffee/tea during coursework
Tuition fee excludes: Repetition exams, certification, books and graduation ceremony
Note: Payment for each semester has to be made at the latest 2 (two) weeks before next semester begins.
* Scholarship scheme is available after fulfilling SGU terms and conditions
* Tuition installment available with SGU terms and conditions.

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